

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Levee District No. 0002 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_17				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	18
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0002_01_s_2013_18				
Comment Code					
Inspector Comment					
The LMA has completed flood fight training in the past.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	0.07	Rating **	M	Issue No.	6
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.414649 °	39.417689 °
				-122.009853 °	-122.010369 °
DWR ID	DWR_LD0002_01_s_2016_6				
Comment Code					
Inspector Comment					
2009 - Very slow retreat, hard toe, encroaching into the levee projection. 2010 - Slowly eroding. 2011 - Site extended downstream. 2015: Last observed in 2013. [2015 Site ID: SAC_164-7_R]					

Photo 1 of 2 : SP_2016_LD0002_28_6_20160420_00005.jpg



USACE 2013 Photo #1

LM Start	0.07	Rating **	M	Issue No.	6 (cont)
LM End	0.28	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_LD0002_28_6_20160420_00006.jpg



USACE 2013 Photo #2

LM Start	1.24	Rating **	M	Issue No.	40
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.431499 °	39.431499 °
				-122.010803 °	-122.010803 °
DWR ID	DWR_LD0002_01_f_2013_40				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the waterside slope.					

Photo 1 of 2 : SP_2016_LD0002_28_40_20160420_00018.jpg



View of the downed tree limb along the slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	1.24	Rating **	M	Issue No.	40 (cont)	
LM End	1.24	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.431499 °		39.431499 °
				-122.010803 °		-122.010803 °
DWR ID	DWR_LD0002_01_f_2013_40					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove the tree limbs from the waterside slope.						

Photo 2 of 2 : SP_2016_LD0002_28_40_20160420_00019.jpg



View of the tree limbs along the waterside slope.

LM Start	1.43	Rating **	M	Issue No.	4
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.434157 °	39.434157 °
				-122.010760 °	-122.010760 °
DWR ID	DWR_LD0002_01_f_2012_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0002_28_4_20160420_00003.jpg



View of the rodent holes along the landside slope.

LM Start	1.52	Rating **	M	Issue No.	15
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.435485 °	39.436643 °
				-122.010640 °	-122.010498 °
DWR ID	DWR_LD0002_01_f_2012_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA needs to repair the rodent holes.					

Photo 1 of 2 : SP_2016_LD0002_28_15_20160420_00013.jpg



View of the rodent holes along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	1.52	Rating **	M	Issue No.	15 (cont)	
LM End	1.60	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.435485 °		39.436643 °
				-122.010640 °		-122.010498 °
DWR ID	DWR_LD0002_01_f_2012_15					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
LMA needs to repair the rodent holes.						

Photo 2 of 2 : SP_2016_LD0002_28_15_20160420_00014.jpg



View of the rodent holes along the landside slope.

LM Start	1.57	Rating **	C	Issue No.	41
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.436149 °	39.436149 °
				-122.010525 °	-122.010525 °
DWR ID	DWR_LD0002_01_f_2013_41				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Issue marked as corrected because it is within the bounds of previous issue # 15.					

No Photos

LM Start	1.63	Rating **	M	Issue No.	35
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.437089 °	39.437089 °
				-122.010443 °	-122.010443 °
DWR ID	DWR_LD0002_01_s_2016_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0002_28_35_20160506_00053.jpg



04/22/2016: Vegetation on L/S slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	2.01	Rating **	U	Issue No.	36
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.441740 °	39.441740 °
				-122.012834 °	-122.012834 °
DWR ID	DWR_LD0002_01_s_2016_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed cottonwood tree on waterside toe and slope					

No Photos

LM Start	2.77	Rating **	M	Issue No.	42
LM End	2.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.451841 °	39.451841 °
				-122.017120 °	-122.017120 °
DWR ID	DWR_LD0002_01_f_2013_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0002_28_42_20160420_00021.jpg



View of the rodent holes along the slope of the levee.

LM Start	2.89	Rating **	M	Issue No.	5
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.453490 °	39.453490 °
				-122.016457 °	-122.016457 °
DWR ID	DWR_LD0002_01_f_2015_5				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0002_28_5_20160420_00004.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	2.91	Rating **	M	Issue No.	2
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.453595 °	39.454003 °
				-122.016273 °	-122.015503 °
DWR ID	DWR_LD0002_01_f_2015_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0002_28_2_20160420_00001.jpg



View of the rodent holes and bait station along the landside slope.

LM Start	3.06	Rating **	M	Issue No.	3
LM End	3.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.455145 °	39.455813 °
				-122.014287 °	-122.013205 °
DWR ID	DWR_LD0002_01_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the waterside slope.					

Photo 1 of 1 : SP_2016_LD0002_28_3_20160420_00002.jpg



View of the rodent holes along the waterside slope.

LM Start	3.12	Rating **	U	Issue No.	12
LM End	3.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.455752 °	39.456108 °
				-122.013387 °	-122.012511 °
DWR ID	DWR_LD0002_01_s_2013_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along landside slope.					

Photo 1 of 1 : SP_2016_LD0002_28_12_20160420_00011.jpg



View of the rodent activity along the landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	3.16	Rating **	C	Issue No.	9
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.455992 °	39.455992 °
				-122.012808 °	-122.012808 °
DWR ID	DWR_LD0002_01_s_2013_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Changed to Corrected because it duplicates previous issue # 12.					

No Photos

LM Start	3.21	Rating **	M	Issue No.	37
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.456170 °	39.456170 °
				-122.011908 °	-122.011908 °
DWR ID	DWR_LD0002_01_s_2016_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim willow branches to 5' above L/S slope					

No Photos

LM Start	3.23	Rating **	M	Issue No.	16
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.456192 °	39.456272 °
				-122.011445 °	-122.010163 °
DWR ID	DWR_LD0002_01_f_2012_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Grout or fill the rodent holes.					

Photo 1 of 1 : SP_2016_LD0002_28_16_20160420_00015.jpg



View of the rodent holes along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	3.24	Rating **	M	Issue No.	38
LM End	3.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.456202 °	39.456202 °
				-122.011314 °	-122.011314 °
DWR ID	DWR_LD0002_01_s_2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.44	Rating **	U	Issue No.	27
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.457692 °	39.458705 °
				-122.009517 °	-122.009872 °
DWR ID	DWR_LD0002_01_s_2014_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes on landside slope.					

Photo 1 of 1 : SP_2016_LD0002_28_27_20160420_00016.jpg



View of the rodent activity along the l/s slope.

LM Start	3.53	Rating **	U	Issue No.	13
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.458803 °	39.459305 °
				-122.009980 °	-122.010511 °
DWR ID	DWR_LD0002_01_s_2013_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0002_28_13_20160420_00012.jpg



View of the rodent activity along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

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Unit No. 01 Glenn County Sacramento River	Right	4.90	04/22/2016 04/22/2016	Keith Millard

LM Start	4.38	Rating **	C	Issue No.	28
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.470675 °	39.470675 °
				-122.012763 °	-122.012763 °
DWR ID	DWR_LD0002_01_s_2015_28				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Issue marked as Corrected because erosion/rutting is on access ramp and not levee prism.					

No Photos

LM Start	4.87	Rating **	A/W	Issue No.	11
LM End	4.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.476676 °	39.476676 °
				-122.017439 °	-122.017439 °
DWR ID	DWR_LD0002_01_s_2012_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The rodent holes have been filled with dirt.					

Photo 1 of 1 : SP_2016_LD0002_28_11_20160420_00010.jpg



View of the removed rodent holes and bait station.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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